

# Purushottam Kumar

4<sup>th</sup> Year, Information Technology (B. Tech)

Patna, Bihar

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## EXPERIENCE

### **National Institute of Technology, Durgapur — Research Intern**

May 2020 - July 2020

I developed a system for generation of Digital academic certificates and verification of these certificates. The title is 'Secure Digital Academic Certificate using Blockchain'. We are using cryptography algorithms for encryption of data and steganography algorithms for hiding the data. Verification of certificate done on a blockchain network. Blockchain provides decentralization to our system.

### **Indian Institute of Technology, Patna — Research Intern**

May 2019 - July 2019

I worked on 'Gender, Age and dialect Recognition using Tweets in a deep learning framework'. We are using a dataset of arabic tweets. We developed our model on LSTM and used features extraction algorithms for better results.

## EDUCATION

### **National Institute of Technology, Durgapur — Information Technology ( B. Tech)**

August 2017 – Present

### **Oriental College, Patna — Intermediate**

April 2015 - May 2017

## PROJECTS

### **Seat Allocation in Admissions**

Nov 2019 - Dec 2019

Our model is a stable-matching algorithm based on Game theory. We developed an algorithm for seat allocations and reallocation in admissions.

### **A project on Steganography and Cryptography**

July 2019 - Present

This Project is under process.

## EXPERTISE

- ◆ Information Security
- ◆ Coding

## SKILLS

Steganography, Cryptography, Game Theory, Deep Learning (basics), Big Data (basics), and Blockchain (basics).

C, Cpp, HTML, Python, Kotlin, Solidity (basics), and Matlab (basics).

## MOST PROUD OF

- Publish a research paper named "Gender, Age and dialect Recognition using Tweets in a deep learning framework - Notebook for FIRE 2019" on 12th Dec 2019.
- A model named "Earthworm Cultivation using IOT Enable Systems" is selected on Digital India theme in Science Engineering Model Competition at Indian International Science Festival 2019, Kolkata.
- Delegate in Indian International Science Festival, Kolkata 2019.
- Delegate in Lokmanthan, Ranchi 2018.

## LANGUAGES

- ◆ English
- ◆ Hindi
- ◆ Bhojpuri